Inventors: C. Brent Dane et al.

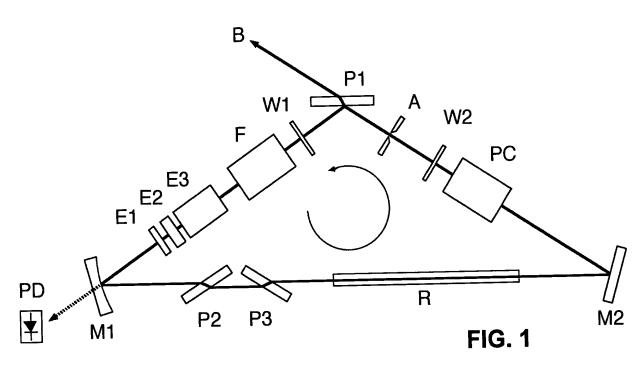
Title: Self-Seeded Single-Frequency Solid-State Ring Laser, and Single-Frequency Laser

Peening Method and System Using Same

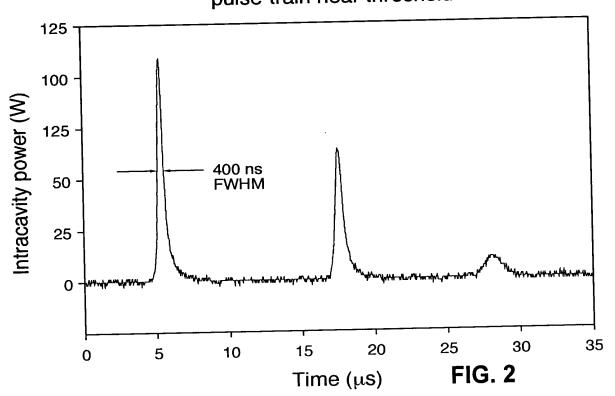
Application No.

Attorney Docket No. MICI 1001-2

1/7
Schematic diagram of the self-seeded single-frequency
Q-switched laser with adjustable output coupling



Typical relaxation-oscillation pulse-train near threshold



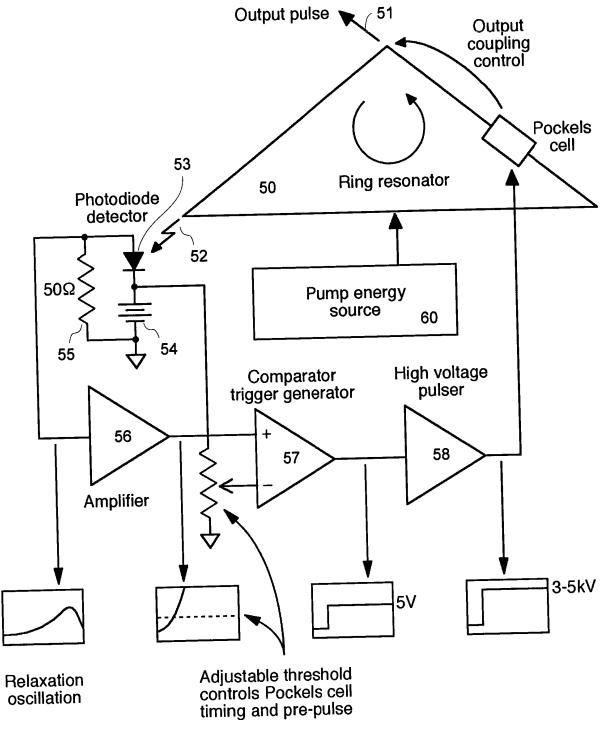


FIG. 3

Free-laser temporal waveforms showing Q-switch transition

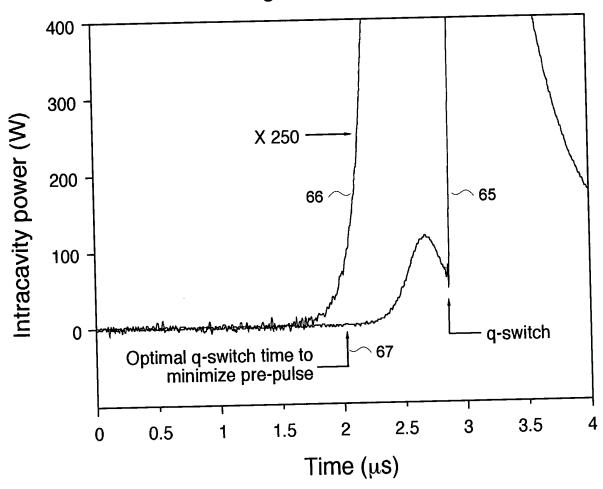


FIG. 4

Temporal profiles of single and multi-mode q-switched laser pulses

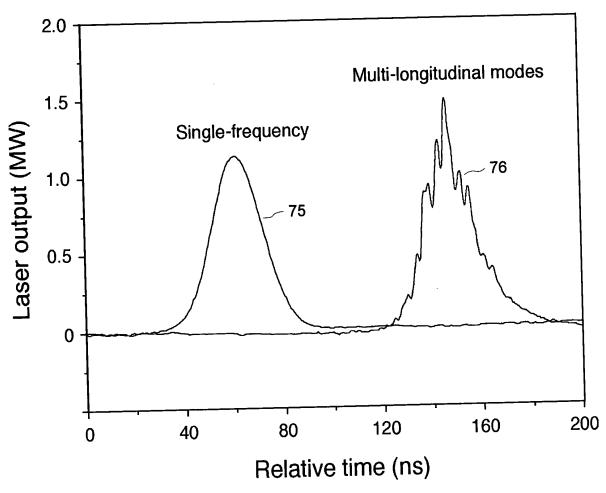


FIG. 5

Pulse shape stability vs. pump energy

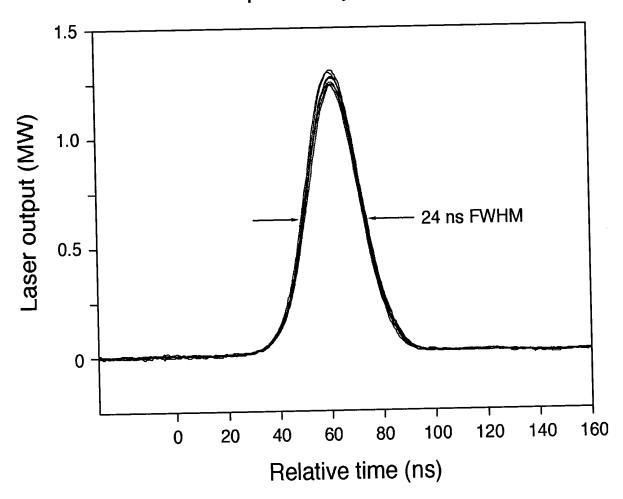


FIG. 6

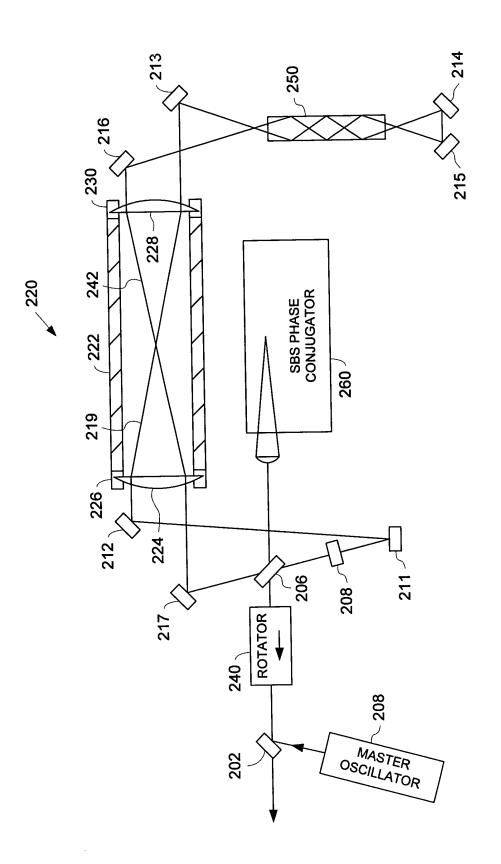


FIG. 7

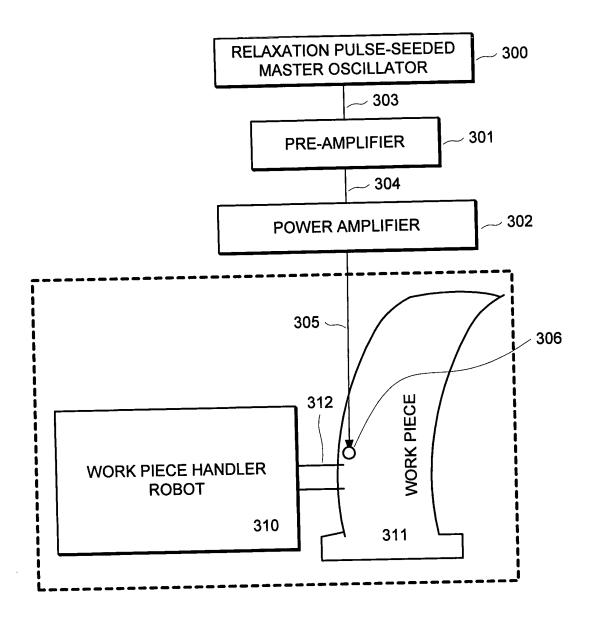


FIG. 8